EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	12	"2407157"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:01
L2	5	("3983010").URPN.	USPAT	OR	ON	2007/06/21 07:01
L3	9	US-4261755-$.DID. OR US-4326073-$.DID. OR US-3983010-$.DID. OR US-4218568-$.DID. OR US-2545889-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:01
L4	2	("20030092939").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 07:01
L5	11	L3 or L4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:01
L6	666	((formate or formic) near20 (alkali or alkaline)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:01
L7	132132	formate or formic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:01
L8	3	((formate or formic) same (alkali or alkaline) same hydroly$ same distill$).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:01
L9	874343	alkali or alkaline	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:01
L10	115326	((formate or formic) or (alkali or alkaline)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:01
L11	21	((formate or formic) near20 (alkali or alkaline) same hydroly$).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:01
L12	33	((formate or formic) same (alkali or alkaline) same hydroly$).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:01

EAST Search History

L13	21	((formate or formic) same (alkali or alkaline) same distill$).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:01
L14	1575	acid adj formate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:08
L15	7214	methyl adj formate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:06
L16	23271	pka	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:07
L17	4520550	base	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:07
L18	3	((acid adj formate) same (methyl adj formate)same base)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:54
L19	10	((acid adj formate) same (methyl adj formate)same (base or basic))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:21
L20	3	"03040078"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:21
L21	21	((acid adj formate) and (methyl adj formate)and base)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 07:54
L22	26	((acid adj formate) and (methyl adj formate)and (base or basic))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 08:02
L23	667	((Formic adj acid) adj formate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 08:03
L24	20	(((Formic adj acid) adj formate)and (methyl adj formate)and (base or basic))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 08:11

EAST Search History

L25	141	562/609	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 08:11
L26	4	l24 and l25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 08:18
L27	4	"10210730"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/21 08:22
L28	2	("4261755").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 08:23
L29	2	("20030092939").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 08:25
L30	2	("4326073").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 08:27
L31	2	("3983010").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 08:28
L32	4	("4218568").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 08:31
L33	4	("2545889").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 08:34
L34	1	("4179522").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 08:34

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NEWS 14	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS 15	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS 16	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS 17	MAY 21	CA/CAplus enhanced with additional kind codes for German patents
NEWS 18	MAY 22	CA/CAplus enhanced with IPC reclassification in Japanese patents
NEWS 19	JUN 18	CA/CAplus to be enhanced with pre-1967 CAS Registry Numbers

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

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=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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FILE 'REGISTRY' ENTERED AT 08:38:28 ON 21 JUN 2007
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  conducting SmartSELECT searches.

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predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> e formic acid formate/cn
E1            1      FORMIC ACID DEHYDROGENASE/CN
E2            1      FORMIC ACID DIMETHYLSTEARYLAMINE SALT/CN
E3            0 --> FORMIC ACID FORMATE/CN
E4            1      FORMIC ACID POLYMER/CN
E5            1      FORMIC ACID POLYMER WITH 1,4-BUTANEDITHIOL/CN
E6            1      FORMIC ACID RADICAL CATION/CN
E7            1      FORMIC ACID, ((((3-(((4-(2,4-BIS(1,1-DIMETHYLPROPYL)PHENOXY)
                     BUTYL)AMINO)CARBONYL)-4-HYDROXY-1-NAPHTHALENYL)METHYL)AMINO)
                     SULFONYL)-/CN
E8            1      FORMIC ACID, ((((3-(((4-(2,4-BIS(1,1-DIMETHYLPROPYL)PHENOXY)
                     BUTYL)AMINO)CARBONYL)-4-HYDROXY-1-NAPHTHALENYL)METHYL)AMINO)
                     SULFONYL)-, ETHYL ESTER/CN
E9            1      FORMIC ACID, (((2,4-DIMETHYL-6-(METHYLSULFONYL)PYRIDO(2,3-D)
                     PYRIMIDIN-7-YL)AMINO)SULFONYL)-, METHYL ESTER/CN
E10           1      FORMIC ACID, (((4-BROMOPHENYL)METHYL)SULFONYL)-, METHYL ESTE
                     R/CN
E11           1      FORMIC ACID, (((4-CHLOROPHENYL)METHYL)SULFONYL)-, 1-METHYLET
                     HYL ESTER/CN
E12           1      FORMIC ACID, (((4-CHLOROPHENYL)METHYL)SULFONYL)-, METHYL EST
                     ER/CN

=> file reg
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
      \                                        ENTRY    SESSION
FULL ESTIMATED COST                             0.45       0.66

FILE 'REGISTRY' ENTERED AT 08:38:56 ON 21 JUN 2007
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STRUCTURE FILE UPDATES:   20 JUN 2007  HIGHEST RN 938114-25-1
DICTIONARY FILE UPDATES:  20 JUN 2007  HIGHEST RN 938114-25-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.
```

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

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=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.45       1.11

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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE LAST UPDATED: 20 Jun 2007  (20070620/ED)
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http://www.cas.org/infopolicy.html

```
=> formic acid formate
         50237 FORMIC
       4389203 ACID
       1578831 ACIDS
       4888647 ACID
                 (ACID OR ACIDS)
         42384 FORMATE
          3556 FORMATES
         43709 FORMATE
                 (FORMATE OR FORMATES)
L1          78 FORMIC ACID FORMATE
                 (FORMIC(W)ACID(W)FORMATE)

=> d l1 68-78

L1   ANSWER 68 OF 78  CAPLUS  COPYRIGHT 2007 ACS on STN
AN   1969:90944  CAPLUS
DN   70:90944
TI   Theoretical comparison of formic acid and the formate ion
AU   Peyerimhoff, Sigrid D.; Buenker, Robert J.
CS   Justus Liebig Univ., Giessen/Lahn, Fed. Rep. Ger.
SO   Journal of Chemical Physics (1969), 50(4), 1846-61
     CODEN: JCPSA6; ISSN: 0021-9606
DT   Journal
```

LA English

L1 ANSWER 69 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1965:76646 CAPLUS
DN 62:76646
OREF 62:13606e-g
TI Effect of curare on the incorporation of 32P-orthophosphate in rat gastrocnemius muscle
AU Juhn, S. K.
CS Univ. Bologna, Italy
SO Nature (London, United Kingdom) (1965), 205(4974), 907-8
CODEN: NATUAS; ISSN: 0028-0836
DT Journal
LA English

L1 ANSWER 70 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1964:36450 CAPLUS
DN 60:36450
OREF 60:6453a-b
TI Ion exchange in chemical synthesis
AU Kunin, R.
CS Rohm & Haas Co., Philadelphia, PA
SO Journal of Industrial and Engineering Chemistry (Washington, D. C.) (1964), 56(1), 35-9
CODEN: JIECAD; ISSN: 0095-9014
DT Journal
LA Unavailable

L1 ANSWER 71 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1963:57322 CAPLUS
DN 58:57322
OREF 58:9777e-f
TI Reactivity of OH radicals with ferro-ferricyanide, formate, ethanol, and amino acids in irradiated solutions
AU Rabani, Joseph; Stein, Gabriel
CS Hebrew Univ., Jerusalem
SO Transactions of the Faraday Society (1962), 58, 2150-9
CODEN: TFSOA4; ISSN: 0014-7672
DT Journal
LA Unavailable

L1 ANSWER 72 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1962:475726 CAPLUS
DN 57:75726
OREF 57:15015c-i
TI Fluorinated halogenated diketones and their use as chelating agents for neptunium and gallium extraction
PA U.S. Atomic Energy Commission
SO 7 pp.
DT Patent
LA Unavailable
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 895676		19620502	GB 1958-24671	19580731
PRAI	US		19570821		

L1 ANSWER 73 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1962:19870 CAPLUS
DN 56:19870
OREF 56:3791d-f
TI Adrenocorticotropin (ACTH). XXIII. A sedimentation study of the state of aggregation of ovine pituitary ACTH in acidic and basic solutions
AU Squire, Phil G.; Li, Choh Hao
CS Univ. of California, Berkeley

SO Journal of the American Chemical Society (1961), 83, 3521-8
CODEN: JACSAT; ISSN: 0002-7863
DT Journal
LA Unavailable

L1 ANSWER 74 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1961:57493 CAPLUS
DN 55:57493
OREF 55:11015a-b
TI Evidence for hydrogen migration in a negative ion-molecule reaction
AU Melton, C. E.; Ropp, G. A.; Martin, T. W.
CS Oak Ridge Natl. Lab., Oak Ridge, TN
SO Journal of Physical Chemistry (1960), 64, 1577-9
CODEN: JPCHAX; ISSN: 0022-3654
DT Journal
LA Unavailable

L1 ANSWER 75 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1959:87471 CAPLUS
DN 53:87471
OREF 53:15718d-e
TI Ionization constant of p-iodobenzoic acid at 25°
AU Robinson, R. A.; Ang, K. P.
CS Univ. Malaya, Singapore
SO Journal of the Chemical Society (1959) 2314-15
CODEN: JCSOA9; ISSN: 0368-1769
DT Journal
LA Unavailable
OS CASREACT 53:87471

L1 ANSWER 76 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1955:46604 CAPLUS
DN 49:46604
OREF 49:9075d-e
TI Ion-exchange chromatography of nucleoside polyphosphates
AU Bergkvist, Rolf; Deutsch, Adam
CS Univ. Lund, Swed.
SO Acta Chemica Scandinavica (1954), 8, 1877-9
CODEN: ACHSE7; ISSN: 0904-213X
DT Journal
LA English

L1 ANSWER 77 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1907:9436 CAPLUS
DN 1:9436
OREF 1:2266d-f
TI Physiological Study of Some Formic Compounds
AU Fleig, M. C.
CS Physiol. Lab. Fac. Med. Montpellier
SO Archives Internationales de Pharmacodynamie et de Therapie (1907), 17, 147-230
CODEN: AIPTAK; ISSN: 0003-9780
DT Journal
LA Unavailable

L1 ANSWER 78 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1906:121028 CAPLUS
DN 0:121028
TI Electrolysis of organic acids by means of an alternating current
AU Brochet, Andre; Petit, Joseph
SO Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences (1905), 140, 442-4
From: J. Chem. Soc., Abstr. 88, II, 227 1905
CODEN: COREAF
DT Journal

```
LA   Unavailable


=> acid formate
       4389203 ACID
       1578831 ACIDS
       4888647 ACID
                 (ACID OR ACIDS)
         42384 FORMATE
          3556 FORMATES
         43709 FORMATE
                 (FORMATE OR FORMATES)
L2         190 ACID FORMATE
                 (ACID(W)FORMATE)

=> methyl formate
       1012794 METHYL
           677 METHYLS
       1013206 METHYL
                 (METHYL OR METHYLS)
        942743 ME
         10749 MES
        949475 ME
                 (ME OR MES)
       1620597 METHYL
                 (METHYL OR ME)
         42384 FORMATE
          3556 FORMATES
         43709 FORMATE
                 (FORMATE OR FORMATES)
L3        4193 METHYL FORMATE
                 (METHYL(W)FORMATE)

=> l2 and l3
L4            8 L2 AND L3

=> d l4 1-8 ti

L4   ANSWER 1 OF 8  CAPLUS  COPYRIGHT 2007 ACS on STN
TI   Corrosion inhibitor for steels working in acidic fluids

L4   ANSWER 2 OF 8  CAPLUS  COPYRIGHT 2007 ACS on STN
TI   Corrosion inhibitor

L4   ANSWER 3 OF 8  CAPLUS  COPYRIGHT 2007 ACS on STN
TI   Preparation of quinazolin-4-ones

L4   ANSWER 4 OF 8  CAPLUS  COPYRIGHT 2007 ACS on STN
TI   Method for production of formic acid formates

L4   ANSWER 5 OF 8  CAPLUS  COPYRIGHT 2007 ACS on STN
TI   N-formylation of amino acids with alkyl formates

L4   ANSWER 6 OF 8  CAPLUS  COPYRIGHT 2007 ACS on STN
TI   The conversion of polysaccharides to hydrogen gas. Part I. The
     palladium-catalyzed decomposition of formic acid/sodium formate solutions

L4   ANSWER 7 OF 8  CAPLUS  COPYRIGHT 2007 ACS on STN
TI   Preparation of 6-hydroxycaproic acid derivatives

L4   ANSWER 8 OF 8  CAPLUS  COPYRIGHT 2007 ACS on STN
TI   Alkaloids of C15 series. III. Decarboxylation and preparation of some
     esters of aphyllinic acid
```

=> d l4 1,2,4,7 ti fbib abs

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
TI Corrosion inhibitor for steels working in acidic fluids
AN 2006:850357 CAPLUS
DN 145:253092
TI Corrosion inhibitor for steels working in acidic fluids
IN Walker, Michael L.
PA Baker Hughes Incorporated, USA
SO U.S. Pat. Appl. Publ., 9pp., Cont.-in-part of U.S. Ser. No. 393,465.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 2006186380	A1	20060824	US 2006-409789		20060424
				US 2002-368750P	P	20020328
				US 2003-393465	B2	20030320
	US 2003183808	A1	20031002	US 2003-393465		20030320
				US 2002-368750P	P	20020328

PATENT FAMILY INFORMATION:
FAN 2003:776974

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 2003183808	A1	20031002	US 2003-393465		20030320
				US 2002-368750P	P	20020328
	CA 2482513	A1	20031009	CA 2003-2482513		20030325
				US 2002-368750P	P	20020328
				US 2003-393465	A	20030320
				WO 2003-US9047	W	20030325
	WO 2003083173	A2	20031009	WO 2003-US9047		20030325
	WO 2003083173	A3	20041111			
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW					
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
				US 2002-368750P	P	20020328
				US 2003-393465	A	20030320
	AU 2003233426	A1	20031013	AU 2003-233426		20030325
				US 2002-368750P	P	20020328
				US 2003-393465	A	20030320
				WO 2003-US9047	W	20030325
	BR 2003003658	A	20040713	BR 2003-3658		20030325
				US 2002-368750P	P	20020328
				US 2003-393465	A	20030320
				WO 2003-US9047	W	20030325
	EP 1497482	A2	20050119	EP 2003-728275		20030325
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
				US 2002-368750P	P	20020328
				US 2003-393465	A	20030320
				WO 2003-US9047	W	20030325
	US 2006186380	A1	20060824	US 2006-409789		20060424
				US 2002-368750P	P	20020328
				US 2003-393465	B2	20030320

AB The corrosion inhibitor blend of at least one corrosion inhibitor base (which may be a Mannich reaction product), a solvent selected from C1 acids and ester and salt derivs. thereof, and optionally a surfactant, was

effective as a corrosion inhibitor for metals in acid media, particularly fluids containing halogen acids. The corrosion inhibitor has improved performance over similar or identical corrosion inhibitor compns. where an alc. such as methanol is used as a solvent. Suitable, non-limiting possibilities for the solvent include, but are not necessarily limited to formic acid, formate salts, Me
formate, Et formate, benzyl formate, formate salts of amines, inorg. formate, and mixts. thereof. The first solvent is selected from formic acid formate salt s, Me
formate, Et formate, benzyl formate salts of amines, inorg. formates, and mixts. thereof.

L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
TI Corrosion inhibitor
AN 2003:776974 CAPLUS
DN 139:279483
TI Corrosion inhibitor
IN Walker, Michael L.
PA Baker Hughes Incorporated, USA
SO U.S. Pat. Appl. Publ., 9 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 2003183808	A1	20031002	US 2003-393465		20030320
				US 2002-368750P	P	20020328
	CA 2482513	A1	20031009	CA 2003-2482513		20030325
				US 2002-368750P	P	20020328
				US 2003-393465	A	20030320
				WO 2003-US9047	W	20030325
	WO 2003083173	A2	20031009	WO 2003-US9047		20030325
	WO 2003083173	A3	20041111			
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW					
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
				US 2002-368750P	P	20020328
				US 2003-393465	A	20030320
	AU 2003233426	A1	20031013	AU 2003-233426		20030325
				US 2002-368750P	P	20020328
				US 2003-393465	A	20030320
				WO 2003-US9047	W	20030325
	BR 2003003658	A	20040713	BR 2003-3658		20030325
				US 2002-368750P	P	20020328
				US 2003-393465	A	20030320
				WO 2003-US9047	W	20030325
	EP 1497482	A2	20050119	EP 2003-728275		20030325
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
				US 2002-368750P	P	20020328
				US 2003-393465	A	20030320
				WO 2003-US9047	W	20030325
	US 2006186380	A1	20060824	US 2006-409789		20060424
				US 2002-368750P	P	20020328
				US 2003-393465	B2	20030320

PATENT FAMILY INFORMATION:
FAN 2006:850357

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 2006186380	A1	20060824	US 2006-409789		20060424
				US 2002-368750P	P	20020328
				US 2003-393465	B2	20030320
	US 2003183808	A1	20031002	US 2003-393465		20030320
				US 2002-368750P	P	20020328

AB The corrosion inhibitor blend of at least one corrosion inhibitor base (which may be a Mannich reaction product), a solvent selected from the group consisting of C1 acids and ester and salt derivs. thereof, and optionally a surfactant, has been found to be effective as a corrosion inhibitor for metals in acid media, particularly fluids containing halogen acids. The corrosion inhibitor has improved performance over similar or identical corrosion inhibitor compns. where an alc. such as methanol is used as a solvent. Suitable, non-limiting possibilities for the solvent include, but are not necessarily limited to formic acid, formate salts, Me formate, Et formate, benzyl formate, formate salts of amines, inorg. formate, and mixts. thereof.

L4 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
TI Method for production of formic acid formates
AN 2003:376802 CAPLUS
DN 138:370669
TI Method for production of formic acid formates
IN Slany, Michael; Schaefer, Martin; Karl, Joern; Roeper, Michael
PA BASF Aktiengesellschaft, Germany
SO PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2003040078	A1	20030515	WO 2002-EP12046		20021029
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
				DE 2001-10154715	A	20011109
				DE 2002-10210730	A	20020312
	DE 10154715	A1	20030522	DE 2001-10154715		20011109
	DE 10210730	A1	20030925	DE 2002-10210730		20020312
	CA 2464762	A1	20030515	CA 2002-2464762		20021029
				DE 2001-10154715	A	20011109
				DE 2002-10210730	A	20020312
				WO 2002-EP12046	W	20021029
	AU 2002349014	A1	20030519	AU 2002-349014		20021029
				DE 2001-10154715	A	20011109
				DE 2002-10210730	A	20020312
				WO 2002-EP12046	W	20021029
	EP 1448505	A1	20040825	EP 2002-781295		20021029
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK					
				DE 2001-10154715	A	20011109
				DE 2002-10210730	A	20020312
				WO 2002-EP12046	W	20021029
	BR 2002013869	A	20040831	BR 2002-13869		20021029
				DE 2001-10154715	A	20011109
				DE 2002-10210730	A	20020312

				WO 2002-EP12046	W	20021029
	CN 1585735	A	20050223	CN 2002-822250		20021029
				DE 2001-10154715	A	20011109
				DE 2002-10210730	A	20020312
	JP 2005508379	T	20050331	JP 2003-542127		20021029
				DE 2001-10154715	A	20011109
				DE 2002-10210730	A	20020312
				WO 2002-EP12046	W	20021029
	US 2005010067	A1	20050113	US 2004-494701		20040506
	US 6906222	B2	20050614			
				DE 2001-10154715	A	20011109
				DE 2002-10210730	A	20020312
				WO 2002-EP12046	W	20021029
	NO 2004001886	A	20040507	NO 2004-1886		20040507
				DE 2001-10154715	A	20011109
				DE 2002-10210730	A	20020312
				WO 2002-EP12046	W	20021029
	ZA 2004004518	A	20050608	ZA 2004-4518		20040608
				DE 2001-10154715	A	20011109

AB The invention relates to a method for the production of formic acid formates by reacting formic acid Me ester (I) with water and a basic compound, having a pKa value of the corresponding acid of the corresponding dissociation degree which is ≥3, measured at 25 °C in aqueous solution, separating the obtained methanol and, optionally, adjusting the desired degree of acidity by adding formic acid. Thus, water 50, K formate (water content 2%) 10, K diformate (II, water content 2%) 5, and I 10 g was heated 24 h at 60°, and the resulting solution was cooled to precipitate II. The filtrate was tried to give addnl. II. The combined samples of K diformate contained 30% K and 2% water, and, correcting for the amount of II used at the start of the reaction, the total amount II obtained was 15.5 g.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
TI Preparation of 6-hydroxycaproic acid derivatives
AN 1966:3698 CAPLUS
DN 64:3698
OREF 64:603b-e
TI Preparation of 6-hydroxycaproic acid derivatives
IN Weiss, Francis
PA Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine
SO 16 pp.
DT Patent
LA Unavailable
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	BE 646938	A	19640817	BE 1964-646938		19640423
				FR 1963-932506	A	19630424
				FR 1963-955886	A	19631203
	DE 1216283	C2	19760520	DE 1964-S90633		19640420
				FR 1963-932506	A	19630424
				FR 1963-955886	A	19631203
	NL 6404543	A	19641026	NL 1964-4543		19640424
				FR 1963-932506	A	19630424
				FR 1963-955886	A	19631203

PATENT FAMILY INFORMATION:
FAN 1975:478616

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	NL 7413118	A	19750131	NL 1974-13118	19741004

			FR 1963-932506	A	19630424
			FR 1963-955886	A	19631203
DE 1216283	C2	19760520	DE 1964-S90633		19640420
			FR 1963-932506	A	19630424
			FR 1963-955886	A	19631203
NL 6404543	A	19641026	NL 1964-4543		19640424
			FR 1963-932506	A	19630424
			FR 1963-955886	A	19631203

AB To a mixture of 98 g. cyclohexanone (I) and 340 g. formic acid (II) is added in 2 hrs. 50 g. of 83.5% aqueous H2O2 while the temperature is maintained at 60-5°. The mixture is left another hr. at the same temperature Excess water and HCOOH is eliminated by evaporation at 150-200 mm. Further distillation gives 132 g. of 6-formyloxycaproic acid (III), b3 113-16°, m. 28.5-9.0°, yield 82.3%. Further distillation gives 6.5 g. adipic acid and 13 g. of polyesters of III. When II is used in slight excess, dicyclohexylidene diperoxide, m. 127-8°, precipitate at the end of the addition of H2O2. When 210 g. of 3,3,5-trimethylcyclohexane is treated as I, the following compds. are collected: 102 g. of a mixture of 3,3,5-trimethylcaprolactone and 3,5,5-trimethylcaprolactone, b1 80-7°, n20D 1.4590, d204 0.998 (yield 52%), 81 g. of a mixture of 6-formyloxy-3,3,5-caproic acid and 6-formyloxy-3,5,5-caproic acid, b1 120-30°, n20D 1.4530, d204 1.060 (yield 32%). A mixture of 80 g. III, 21 g. anhydrous NH3 (IV) and 100 ml. dioxane (V) is heated at 200° in a bomb for 3 hrs. Elimination of excess IV and V followed by distillation at 2 mm. gives 19.1 g. formamide (yield 85%) and 62.2 g. 6-hydroxycaproamide (95% yield). A mixture of 16 g. III, 4 g. MeOH, and 0.2 g. H2SO4 is refluxed while the formed methyl formate is collected. After 2 hrs., the mixture is neutralized and excess MeOH is eliminated. Me 6-hydroxycaproate (13.9 g.) is collected, b1, 89-90°, n20D 1.4380, d204 1.0214; hydrazide of VI m. 114-15°. A mixture of 516 g. II and 65 g. H2O2 (83.5%) is left 2 hrs. at room temperature, then 147 g. of I is added over 30 min. while the temperature is maintained at 20°. Extraction with benzene (VII) (10 + 300 ml.) followed by neutralization and evaporation of VII gives 144 g. of ε-caprolactone (VIII), b1 72°, and 5 g. of the cyclic dimer of VIII. A mixture of 2-methyl- and 4-methylcyclohexanones is treated above to give a mixture of Me-ε-caprolactones in 86.5% yield, b1 65-80°. A mixture of trimethyl-ε-caprolactones is similarly prepared, yield, 87.5%, b0.5 70-5°.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	65.70	66.81

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.12	-3.12

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:43:50 ON 21 JUN 2007